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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/871,625	06/04/2001	Ling Zhang	BHT/3167-8	3180

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FALLS CHURCH, VA 22041

EXAMINER

GAUTHIER, GERALD

ART UNIT	PAPER NUMBER
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2645

DATE MAILED: 04/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/871,625

Applicant(s)

ZHANG ET AL.

Examiner

Gerald Gauthier

Art Unit

2645

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1-18** are rejected under 35 U.S.C. 102(e) as being anticipated by Kraft et al. (US 6,487,424).

Regarding **claim 1**, Kraft discloses data entry by string of possible candidate information in a communication terminal (column 1, lines 10-12), (which reads on claimed “an information inquiry method of a mobile phone”) comprising the steps of:

inputting a keyword (column 5, lines 59-64) [The user is ask to input a name label];

converting the keyword according to an input mode currently employed by the mobile phone, the keyword being input according to an input mode by employing English characters, mandarin phonetic notations, or pinyin syllables (column 13, lines 32-60) [The input method for Chinese are Pinyin Yueyin and Ziran, the user can choose between the input methods];

searching information in a database of the mobile phone by using the converted keyword (column 14, lines 1-8) [The characters for the non Latin language are stored in an electronic dictionary]; and

showing searched information (column 14, lines 9-19) [The first display highlights character in the candidate list and the user can make a selection].

Regarding **claims 2, 12 and 14**, Kraft discloses further comprising a step of switching the input mode currently employed to another input mode (column 5, lines 49-54).

Regarding **claims 3, 8 and 15**, Kraft discloses every record of the database comprising at least one telephone number (column 5, lines 59-65).

Regarding **claims 4, 9 and 16**, Kraft discloses a step of dialing a telephone number that is selected from the searched information from the database (column 8, lines 10-15).

Regarding **claims 5, 10 and 17**, Kraft discloses inputting a telephone number and in accompanied with a name associated with the telephone number (column 5, lines 59-65);

searching an allocation in the database by using the name (column 5, lines 59-65);  
and

storing the telephone number and the name in the searched allocation (column 5, lines 59-65) .

Regarding **claims 6, 11 and 18**, Kraft discloses the name comprising a person name or a company title (column 5, lines 59-65).

Regarding **claim 7**, Kraft discloses data entry by string of possible candidate information in a communication terminal (column 1, lines 10-12), (which reads on claimed “a system for inquiring information from a mobile phone”), the information inquiry system comprising:

a storage device for storing a database of the mobile phone and computer executable instructions (column 14, lines 1-8) [The characters for the non Latin language are stored in an electronic dictionary]; and

a processing device for operating the computer executable instructions to input a keyword (column 5, lines 17-28) [The controller detects the occurrence of a state change of event];

convert the keyword according to an input mode currently employed by the mobile phone, the keyword being input according to an input mode by employing English characters, mandarin phonetic notations, or pinyin syllables (column 13, lines 32-60) [The input method for Chinese are Pinyin Yueyin and Ziran, the user can choose between the input methods];

inquire information from the database by using the converted keyword (column 14, lines 1-8) [The characters for the non Latin language are stored in an electronic dictionary]; and

display a record of the inquired information from the database (column 14, lines 9-19) [The first display highlights character in the candidate list and the user can make a selection].

Regarding **claim 13**, Kraft discloses data entry by string of possible candidate information in a communication terminal (column 1, lines 10-12), (which reads on claimed "a computer-readable storage medium for storing a method for inquiring information from a mobile phone"), the computer-readable storage medium having computer executable instructions for performing steps comprising:

inputting a keyword (column 5, lines 59-64) [The user is ask to input a name label];

converting the keyword according to an input mode currently employed by the mobile phone, wherein the input mode is used to input the keyword by employing English characters, mandarin phonetic notations, or pinyin syllables (column 13, lines 32-60) [The input method for Chinese are Pinyin Yueyin and Ziran, the user can choose between the input methods];

searching information in a database of the mobile phone by using the converted keyword (column 14, lines 1-8) [The characters for the non Latin language are stored in an electronic dictionary]; and

showing searched information (column 14, lines 9-19) [The first display highlights character in the candidate list and the user can make a selection].

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Chen et al. is cited for a language input system for mobile devices (FIG. 1).

Kraft et al. is cited for a data entry by string of possible candidate information (FIG. 1).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gerald Gauthier whose telephone number is (703) 305-0981. The examiner can normally be reached on 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (703) 305-4895. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Cherold Fantau*  
g.g.  
April 5, 2004

*Allan Hoosain*  
ALLAN HOOSAIN  
PRIMARY EXAMINER *for*  
*Fem Tsang*